

DATE: 3/16/2010

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00097020
Solicitation #B2010000068

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR:

BUYER: D. Nelson

BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 4/08/2010 AND PUBLICLY OPENED UPON COMPLETION OF ADMINISTRATIVE TASKS.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES DISQUALIFY BID.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. THIS BID PACKAGE MUST BE RETURNED IN ITS ENTIRETY.

Questions on this bid are to be faxed to (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH will accept one bid only from each vendor. Items bid must meet or exceed specifications.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection.

If the bid exceeds \$20,000.00 and the bidder is an agency, corporation, partnership, or other legal entity, the president, vice-president, secretary/treasurer, or an authorized agent, shall sign the proposal, and satisfactory evidence of the authority of the person signing for the agency, corporation, partnership, or other legal entity shall be attached to the proposal.

AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

Visit our website at WWW.JEFFPARISH.NET/BIDS

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

JEFFERSON PARISH requires a firm price. Quoted price will remain firm until _____

PRICES: Jefferson Parish is exempt from paying sales tax under LSA-RS 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. If a contractor is to act as Purchasing Agent for tax-exempt purposes, the Parish shall specifically state so within this bid specification. All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A117.1-1961).

RESPONSE TO INVITATION: If your company is unable to bid on this request, please state your reason on bid form, and return to this office before bid opening date. Failure to do so may result in the removal of your company from Jefferson Parish's vendors list.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 105529 or 105530 dated 5/17/06. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053.

POSTING OF BIDS: Non-Advertised bids will be posted on bulletin board in Suite 4400, Jefferson Parish General Government Building, Gretna, LA, for a period of Five (5) working days after opening date.

Advertised bids will be tabulated and a copy forwarded to each responsive bidder.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

12,13,14,15,16

1. All bidders are invited to attend the pre-bid conference. Failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. This conference is held to allow questions to be answered and inspect the site with owner's representative, etc. Failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification (with no additional cost to the owner).
2. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project.
3. A Louisiana state contractor's license may be required in accordance with LSA-R.S. 37:2150 et seq.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
5. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
6. All awards in excess of \$5,000.00 for the construction, alteration, or repair of any public works will be reduced to a formal contract which shall be recorded at the contractor's expense. A price list of recordation costs may be obtained from the Clerk of Court and Ex-officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 reduced to formal contract will require a performance bond.
7. A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. Performance bond shall be supplied at the signing of the contract.
8. Please indicate if you have insurance: YES _____ NO _____
Successful bidder will be required to furnish proof of insurance to this office.
Successful bidder will be required to furnish Federal I.D. Number.
9. Minimum insurance requirements for this bid are as indicated on the attached sheet.
10. Each bid must be accompanied by a cashier's check, certified check, money order, or surety bid bond in the amount of 5% of the bid.
11. Affidavit required to be submitted with bids on all solicitations for construction, alteration or demolition of public building or project. (LSA-R.S. 38:2224)
12. This is a requirements contract to be provided on an as needed basis.
13. All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO _____

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

14. In the event that the successful bidder cannot furnish a specific item or material and labor in the required time, JEFFERSON PARISH may purchase on an emergency basis from the next lowest bidder, or available source, until such time as the successful bidder has notified the PARISH in writing that his stock or labor capability has been replenished. The difference in price will be charged against the successful bidder of this contract, and evidence of purchases and price will be provided.
15. Vendor will be required to submit to the chief buyer of the JEFFERSON PARISH Purchasing Department a quarterly usage report by item of all items listed on this proposal.
16. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be disqualified if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES _____

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK _____

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

***** ALL BIDDERS MUST COMPLETE SECTION BELOW *****

FIRM NAME: _____

SIGNATURE: _____

(Must be signed here)

TITLE: _____

PRINT OR TYPE NAME: _____

ADDRESS: _____

CITY, STATE: _____

ZIP: _____

TELEPHONE: _____

()

FAX: _____

()

EMAIL ADDRESS: _____

TOTAL PRICE OF ALL BID ITEMS: \$ _____

THIS BID MUST BE SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE COMPANY/FIRM FOR BID TO BE VALID. BID PACKAGE, INCLUDING INSTRUCTIONS AND SPECIFICATIONS, MUST BE RETURNED IN ITS ENTIRETY FOR BID TO BE VALID. SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the bid number and bid opening date indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00097020

SEALED BID

| ITEM NUMBER | QUANTITY | U/M | DESCRIPTION OF ARTICLES | UNIT PRICE QUOTED | TOTALS |
|----------------|----------|-----|--|----------------------|--------|
| | | | TWO (2) YEAR CONTRACT FOR TURNOUT CLOTHING FOR THE JEFFERSON PARISH EAST- BANK CONSOLIDATED FIRE DEPARTMENT | | |
| 1 | 33 | EA | 0001 - BUNKER PANTS JANESVILLE COMMANDO SUPER PANT PER ATTACHED SPECIFICATIONS | | |
| 2 | 111 | EA | 0002 - SUSPENDERS QUICK ADJUST H-BACK SUSPENDERS WITH TRADITIONAL ATTACHMENTS PER ATTACHED SPECIFICATIONS | | |
| 3 | 100 | ST | 0003 - BUNKER SET SET: BUNKER COAT, PANTS AND SUSPENDERS PER ATTACHED SPECIFICATIONS | | |
| 4 | 33 | EA | 0004 - COAT, BUNKER PER ATTACHED SPECIFICATIONS | | |

**TWO (2) YEAR CONTRACT FOR TURNOUT CLOTHING FOR THE
JEFFERSON PARISH EASTBANK CONSOLIDATED FIRE DEPARTMENT**

**0001 - BUNKER PANTS
JANESVILLE COMMANDO SUPER PANT**

PANT CONSTRUCTION:

THE PANT SHALL BE NO MORE THAN 1" HIGHER
IN THE FRONT THAN A STANDARD BUNKER PANT
WITH A GRADUAL INCREASE TO 2" HIGHER
THAN A STANDARD BUNKER PANT IN THE REAR.

MOISTURE BARRIER/THERMAL LINER

CONSTRUCTION:

DESIGN SHALL BE COMPATIBLE WITH THE OUTER SHELL SO THAT THE
LINER DOES NOT

BUCKLE, PULL, OF OTHERWISE RESTRICT BODY
MOTION. THE BOTTOM NINE INCHES OF EACH
THERMAL LEG SHALL BE CONSTRUCTED OF
SEMPER DRI (3.5 OZ/SQYD GLIDE NOMEX
FILAMENT SPUN) FACE CLOTH QUILTED TO 1
LAYER E-89 SPUNLACE ARAMID 85% NOMEX
15% KEVLAR WEIGHING APPROXIMATELY 2.3

OZ/SQYD WITH A TEFLON FINISH AND ONE
LAYER OF APERTURED (11-13 APERTURES/SQIN
E-89 SPUNLACE ARAMID 85% NOMEX 15%

KEVLAR WEIGHING APPROXIMATELY 1.5OZ/SQYD WITH A TEFLON
FINISH (TOTAL WEIGHT +/-

7.3 OZ/SQYD) (1377-059) TO DETER THE
WICKING OF MOISTURE UP THE THERMAL LINER
LEG. THE WAIST OF THE MOISTURE BARRIER/
THERMAL LINER SHALL BE SECURED TO THE
WAIST OF THE OUTER SHELL SUCH THAT WHEN
DONNING THE PANT A LEG MAY NOT BE
ACCIDENTALLY CAUGHT BETWEEN THE OUTER
SHELL AND ITS INNER LININGS ALONG THE
WAIST AND BETWEEN THE LEGS OF THE PANT.

FOR ADDED THERMAL PROTECTION IN THE KNEE

AN ADDITIONAL LAYER OF 1/8" THICK FIRE RESISTANT CLOSED CELL
FOAM SHALL BE

POSITIONED BETWEEN THE MOISTURE BARRIER

AND THERMAL LINER.

QUILT CENTER CUT THERMAL LINER

CONSTRUCTION:

THE MOISTURE BARRIER SHALL BE COMPLETELY SEWN TO A TEFLON TREATED NOMEX FACECLOTH AT ITS PERIMETER. THE MOISTURE BARRIER WILL BE SEPARABLE FROM THE THERMAL LINER AT ITS PERIMETER BY MEANS OF HOOK AND LOOP. IN ADDITION THERE SHALL BE SNAPS ALONG THE WAIST AND BOTTOM LEG OPENING FOR ALIGNMENT. THIS ALLOWS FOR TOTAL INSPECTION OF THE MOISTURE BARRIER AND THE REPLACEMENT OF ONLY ONE COMPONENT AS NEEDED WITHOUT THE EXPENSE OF HAVING TO REPLACE THE ENTIRE LINER SYSTEM. THE QUILTED THERMAL LINER WILL BE ORIENTED TOWARD THE WEARER. ALL MOISTURE BARRIER SEAMS SHALL BE SEALED AS REQUIRED BY NFPA 1971. THE MOISTURE BARRIER/THERMAL LINER SHALL FINISH NO MORE THAN 3" FROM THE CUFFS.

MOISTURE BARRIER/THERMAL LINER

ATTACHMENT:

THE MOISTURE BARRIER/THERMAL LINER SHALL BE COMPLETELY DETACHABLE FROM THE OUTER SHELL FOR EASE OF CLEANING BY USING SNAPS. EIGHT EVENLY SPACED SNAPS SHALL SECURE THE LINER TO THE INTEGRAL WAISTBAND; TWO SNAPS SHALL BE SET IN LEATHER LEG TABS AT EACH LEG END.

STORM FLY CLOSURE:

THE OUTER SHELL FRONT FLY SHALL HAVE A SEWN ON DIAGONAL FLAP FOR ADDITIONAL COVERAGE. THE DIAGONAL FLY SHALL BE SEWN TO THE FRONT OF THE PANT WITH DOUBLE LOCK STITCH AND MEASURE 5" WIDE AT THE TOP OF THE PANT. THE STORM FLY SHALL BE HELD CLOSED ALONG ITS LENGTH BY MEANS OF A HOOK AND LOOP FASTENER CLOSURE 1.5" MINIMUM WIDTH ALONG THE LEADING EDGE FOR A DISTANCE OF NOT LESS THAN 6" FROM THE BOTTOM OF THE FLY CLOSURE TO THE

WAIST AREA FOR PROPER ALIGNMENT AND SECURE CLOSURE. A SNAP SHALL BE PLACED AT THE TOP OF THE FLY. IN ADDITION, A

HOOK AND DEE RING CLOSURE SHALL BE USED FOR QUICK ONE MOTION CLOSING AT THE WAIST. THE HOOK SHALL BE 2.5" IN LENGTH MADE OF A ZINC NON-FERROUS METAL ALLOY AND WEIGH 1.2 OZ +5%. IT SHALL BE SECURELY FASTENED TO THE PANT BY MEANS OF A 5/8" WIDE TREATED LEATHER TAKE UP STRAP LOOPED THROUGH THE REAR OF THE BUCKLE AND TRIPLE RIVETED TO THE PANT SHELL WITH LEATHER BACKED RIVETS. THE DEE SHALL BE MADE OF A NON-FERROUS METAL ALLOY 2" LONG X 1 1/16" WIDE.

THE HOOK AND DEE RING FASTENERS SHALL HAVE LEATHER BACKING SO THE RIVETS DO NOT PULL THROUGH THE WAISTBAND. THE HOOK AND DEE RING FASTENERS SHALL BE ATTACHED USING LEATHER BACKING SO THE RIVETS DO NOT PULL THROUGH THE WAISTBAND. THE STORM FLY SHALL BE OUTER SHELL MATERIAL LINED WITH A 3.5" STRIP OF CROSSTECH (TYPE 2C) MOISTURE BARRIER MATERIAL TO PREVENT WICKING.

THERMAL FLY ASSEMBLY:

THE MOISTURE BARRIER/THERMAL LINER SHALL BE CONSTRUCTED WITH AN EXTENSION ON THE LEFT SIDE AT THE WAIST OF ALL LAYERS OF THE FLY OPENING TO ASSURE CONTINUOUS THERMAL AND MOISTURE PROTECTION. THIS OVERLAP SHALL BE POSITIONED BETWEEN THE LAYERS OF THE OUTSIDE STORM FLY. A 3/4" WIDE X 9" LONG LOOP FASTENER SHALL BE SEWN TO THE MOISTURE BARRIER/THERMAL LINER TO ENGAGE CORRESPONDING HOOK FASTENER ON THE UNDERSIDE OF THE OUTSIDE STORM FLY.

WAISTBAND:

THE WAIST OF THE PANTS SHALL BE REINFORCED ON THE INSIDE WITH TWO-PLY OF OUTER SHELL FABRIC MATERIAL NOT LESS

THAN 1.5" IN WIDTH. THE PANT WAIST SHALL BE TURNED UNDER TO PROVIDE DOUBLE MATERIAL STRENGTH WITH THE INDEPENDENT WAISTBAND, WHICH SHALL THEN BE DOUBLE STITCHED TO THE OUTER SHELL. EIGHT SUSPENDER BUTTONS SHALL BE APPROPRIATELY SPACED AROUND THE WAISTBAND TO ACCOMMODATE THE USE OF SUSPENDERS.

EXTERNAL TAKE-UPS:
ONE ADJUSTMENT DEVICE SHALL BE AFFIXED TO THE OUTSIDE ON EACH SIDE OF THE PANT. EACH TAKE-UP STRAP SHALL BE COMPRISED OF TWO SUB-COMPONENT STRAPS. THE FRONT STRAP SHALL BE 1" WIDE X 5" IN LENGTH FOLDED IN HALF TO FORM A LOOP AND SHALL BE AFFIXED TO THE SIDE OF THE PANT BY MEANS OF TWO BAR TACKS SPACED 2"

APART. THE LOOP SHALL FACE TOWARD THE BACK AND HOLD A NICKEL PLATED 1" METAL LOOP. THE BACK STRAP SHALL BE 1" WIDE X 9" IN LENGTH OF DOUBLE LAYERED OUTER SHELL MATERIAL AND SHALL BE AFFIXED TO THE REAR OF THE BACK OF FRONT BODY PANELS BY MEANS OF 3 BAR TACKS AND SHALL BE POSITIONED TO ALLOW THE LOOSE END TO THREAD THROUGH THE METAL LOOP. THE METAL LOOP SHALL ALLOW FOR ADJUSTMENT AND SHALL FIRMLY HOLD THE TAKE-UP STRAP IN THE DESIRED POSITION.

HOOK AND LOOP ATTACHMENTS SHALL BE USED TO SECURE THE LOOSE END OF EACH TAKE-UP STRAP TO RESPECTIVE COMPONENT 1" X 4.5" LOOP FASTENER SHALL BE SET HORIZONTALLY ON EACH BACK TAKE-UP STRAP. 1" X 3" HOOK FASTENER SHALL SET AT THE END OF THE TAKE-UP STRAP AND SHALL BE POSTIONED TO ENGAGE THE CORRESPONDING LOOP FASTENER.

RADIAL INSEAM BAND:
THE PANT INSEAM SHALL INCORPORATE A COMFORT/MOBILITY DESIGN IN ALL LAYERS.

THIS DESIGN SHALL ELIMINATE CROTCH SEAMS PROVIDING FOR A MORE COMFORTABLE FIT WHILE DECREASING BUNCHING OF MATERIALS. MOBILITY SHALL BE GAINED THROUGH THIS DESIGN BY INCREASING LEG CIRCUMFERENCE. THIS DESIGN SHALL REDUCE RESTRICTION OF LEG MOVEMENT. THE BANDED INSERT SHALL RUN CONTINUOUSLY FROM THE TOP OF THE MOBILE KNEE OF ONE LEG THROUGH THE CROTCH TO THE TOP OF THE MOBILE KNEE OF THE OPPOSITE LEG. THIS CONSTRUCTION REDUCES THE RIPPING OF THE CROTCH AS THERE ARE NO SEAMS IN THE CROTCH.

FREEDOM KNEE:

THE KNEE SHALL INCORPORATE A COMFORT/ MOBILITY DESIGN IN ALL LAYERS. THIS DESIGN SHALL ALLOW FOR A NATURAL BENDING MOTIONS OF THE KNEE. THE KNEE SHALL BE PBI GOLD+MATRIX MATERIAL AND MEASURE 9" ACROSS THE BOTTOM NOT LESS THAN 7" ON THE SIDES AND GRADUALLY INCREASE TO 12" AT THE CENTER POINT AT THE APEX. THE APEX OF THE KNEE SHALL ALLOW FOR NOT LESS THAN A 1.5" BELLLOWS AT THE CENTER. THE RADIAL SEAM SHALL PROVIDE A GUSSET THAT THE KNEE CAN FALL INTO WHEN CRAWLING CLIMBING BENDING KNEELING ETC. THE BOTTOM OF THE MOBILE KNEE SHALL BE PLACED NOT LESS THAN 10" FROM THE CUFF TO FALL ANATOMICALLY CORRECT.

CUFFS:

THE CUFF AREA OF THE PANT SHALL BE REINFORCED WITH A BINDING OF PBI GOLD+ MATRIX MATERIAL NOT LESS THAN 2" IN TOTAL WIDTH FOR GREATER STRENGTH, ABRASION RESISTANCE AND THERMAL PROTECTION.

FULL BELLOWS POCKETS:

THERE SHALL BE TWO 10" WIDE X 10" DEEP OUTSIDE FULL BELLOWS POCKETS THAT

EXPAND BY MEANS OF SIDE AND BOTTOM GUSSETS TO A THICKNESS OF 2" IN FRONT AND BACK LOCATED ONE ON EACH FORE THIGH. POCKETS SHALL BE FULLY LINED THREE SIDES WITH KEVLAR TWILL AND 3" UP INSIDE ON THE SHELL (PANT LEG) WHICH FORMS THE BACKSIDE OF THE POCKET AND REINFORCED WITH SELF FABRIC 5" UP ON THE OUTSIDE OF THE POCKET. POCKETS AND FLAPS SHALL BE SET WITH STITCH 301 SEAM SSB-2 WITH THE TOP AND BOTTOM POCKET CORNERS AND TOP CORNERS OF FLAP REINFORCED WITH BAR TACKS FOR ADDITIONAL STRENGTH. DRAINAGE OF MOISTURE TO BE PROVIDED BY BRASS EYELETS POCKET FLAPS SHALL BE 11" X 5" FOLDED AND STITCHED AT 1.5" WIDTH TO CORRESPOND WITH POCKET GUSSETS. THE FLAP SHALL EXTEND 3" DOWN TO GIVE A CREASED AND CONTOURED POCKET FLAP. A HOOK AND LOOP FASTENER CLOSURE SYSTEM SHALL BE SET WITH 1.5" X 10" LOOP FASTENER HORIZONTALLY ON THE POCKET AND 2 PIECES OF 1.5" X 2" HOOK FASTENER VERTICALLY ON THE UNDERSIDE OF THE FLAP.

0002 - SUSPENDERS
QUICK ADJUST H-BACK SUSPENDERS WITH
TRADITIONAL ATTACHMENTS

SCOPE:
A HIGHLY ENGINEERED *42" BLACK SUSPENDER DESIGNED FOR GREATER RANGE OF MOBILITY AND REDUCED STRESS ALLOWING FOR EIGHT POINTS OF ATTACHMENT TO A TRADITIONAL OR CONTOURED WAIST BUNKER PANT WITH TRADITIONAL SUSPENDER BUTTONS. DESIGN: TWO 8" FRONT PULL STRAPS SHALL BE CONSTRUCTED AS FOLLOWS: 2" WIDE NON-ELASTIC POLYESTER WEBBING SHALL BE FED

THROUGH 2" METAL LOOPS AND SECURED WITH A TWO NEEDLE LOCK STITCH AT ONE END. A BLACK MILITARY FINISH STEEL DOUBLE DEE RING SHALL BE FED THROUGH THE WEBBING. THE OTHER END OF THE WEBBING SHALL BE FED THROUGH A 2" WIDE THERMO-PLASTIC DEE RING AND SECURED WITH A TWO NEEDLE LOCK STITCH. THE DEE RING SHALL FUNCTION AS A PULL STRAP FOR EASILY ADJUSTING

THE SUSPENDERS FOR PROPER FIT.

TWO **18" SHOULDER STRAPS SHALL BE CONSTRUCTED AS FOLLOWS: 2" WIDE NON-ELASTIC POLYESTER WEBBING SHALL BE FED THROUGH THE TOP HALF OF THE STEEL DOUBLE DEE RING AND SECURED WITH A TWO NEEDLE LOCK STITCH. TWO 7" BACK STRAPS MADE OF 2" WIDE ELASTIC WEBBING SHALL BE JOINED WITH A 2" OVERLAP AT THE END OF EACH SHOULDER STRAP WITH A SINGLE NEEDLE LOCK STITCH. ONE 2 1/2" HORIZONTAL BACK STRAP MADE OF 2" WIDE ELASTIC WEBBING SHALL BE SET PERPENDICULAR BETWEEN THE TWO SHOULDER STRAPS AND BACK STRAPS AT THE POINT OF OVERLAP, SECURED WITH A SINGLE NEEDLE LOCK STITCH AND REINFORCED WITH A TWO NEEDLE LOCK STITCH "X" THROUGH THE JOINING STRAPS.

FOUR PIECES OF 2" WIDE ELASTIC WEBBING SHALL FEED THROUGH THE 2" METAL LOOPS AT EACH END OF THE FRONT AND BACK STRAPS AND BE SECURED TO 2" BUTTONHOLE PEERLESS LOOPS CONSTRUCTED OF .080

DIAMETER WIRE WITH A ZINC PLATE FINISH THIS WILL ALLOW FOR EIGHTS POINTS OF ATTACHMENT.

EACH PIECE OF WEBBING SHALL BE LONG ENOUGH SO THAT WHEN FED THROUGH THE 2" METAL LOOP AND FOLDED OVER, SHALL MEASURE AT LEAST ****2" LONG ON EACH SIDE. EACH PEERLESS LOOP SHALL BE CONFIGURED SUCH THAT THEY EASILY ROTATE AROUND A SUSPENDER BUTTON TO ALLOW FOR FREEDOM OF MOTION. SHOULDER PADS:

EACH SHOULDER STRAP SHALL BE ENCAPSULATED WITH A 2.25" WIDE X 13" LONG SHEATH OF PADDING CONSTRUCTED OF 1/8" THICK FIRE RETARDANT CLOSED CELL FOAM LAMINATED TO NOMEX PAJAMA CHECK SUBSTRATE. SHOULDER PADS SHALL START 1" UP FROM THE CROSS POINT OF THE HORIZONTAL BACK STRAP ("H" CROSS) AND BE BAR TACKED AT EACH END SO THEY DO NOT SLIDE FORWARD. EACH SHOULDER PAD SHALL HAVE AN EMBROIDERED LION HEAD LOGO. PADDED SHOULDERS WILL HELP WITH COMPRESSION PROTECTION WHEN SCBA ISSUED.

LIFETIME WARRANTY:

ALL PRODUCTS SHALL BE WARRANTED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR THE USEFUL LIFE OF THE PRODUCT.

**0003 - BUNKER SET
SET: BUNKER COAT, PANTS AND
SUSPENDERS**

0004 - COAT, BUNKER

SCOPE:

THE PURPOSE OF THE CLOTHING IS TO PROVIDE PROTECTION DURING STRUCTURAL FIREFIGHTING OPERATIONS WHERE THERE IS A THREAT OF FIRE OR WHEN CERTAIN PHYSICAL HAZARDS ARE LIKELY TO BE ENCOUNTERED, SUCH AS DURING NON-FIRE RELATED RESCUE OPERATIONS, EMERGENCY MEDICAL OPERATIONS, AND VICTIM EXTRICATION. JEFFERSON PARISH FIRE DEPARTMENT WILL NOT CONSIDER PRODUCTS

THAT HAS NOT BEEN EVALUATED OR WEAR-TESTED BY THE DEPARTMENT DURING THE PREVIOUS 12 MONTHS.

STANDARDS:

ALL GARMENTS PRODUCED SHALL MEET OR EXCEED THE CRITERIA SET FORTH IN THE CURRENT EDITION OF NFPA 1971 EDITION PROTECTIVE CLOTHING FOR STRUCTURAL FIRE FIGHTING.

FED-OSHA CFR 1910, SUBPART L, OSHA 29 CF R PART 1910. 1030 AND/OR THE REQUIREMENTS OF CAL-OSHA TITLE 8, ARTICLE 10.1, PARA 3406.

ALL COMPONENTS AND COMPOSITES USED IN THE CONSTRUCTION OF GARMENTS SHALL BE THIRD PARTY TESTED, CERTIFIED, AND LISTED FOR COMPLIANCE TO NFPA 1971. THE LABEL OF THE THIRD PARTY TESTER SHALL DENOTE CERTIFICATION.

THE MANUFACTURER SHALL BE REGISTERED TO THE ISO STANDARD 9001 TO ASSURE A SATISFACTORY LEVEL OF QUALITY.

THE MANUFACTURER SHALL NOT SUB-CONTRACT THE SEWING OF ANY GARMENT COMPONENT UNLESS THE SUB-CONTRACTOR IS ALSO CERTIFIED TO THE REQUIREMENTS OF ISO AND HAS BEEN LISTED AS A SUB-CONTRACTOR.

COMPOSITE PERFORMANCE:

THE GARMENT COMPOSITE CONSISTING OF THE OUTER SHELL, MOISTURE BARRIER, AND THERMAL LINER, SHALL PROVIDE A THERMAL PROTECTIVE PERFORMANCE (TPP) OF NOT LESS THAN 35 WHEN TESTED IN ACCORDANCE WITH NFPA 1971 STANDARD.

THE GARMENT COMPOSITE CONSISTING OF THE OUTER SHELL, MOISTURE BARRIER, AND THERMAL LINER SHALL PROVIDE A TOTAL HEAT LOSS (THL) OF NOT LESS THAN 205 WHEN TESTED IN ACCORDANCE WITH THE NFPA 1971 STANDARD. JEFFERSON PARISH 276 THE HIGHER THE NUMBER THE BETTER.

THE HEAT TRANSFER INDEX RATING SHALL BE

25 SECONDS FOR THE SHOULDER WHEN MEASURED AT 2 PSI (POUNDS PER SQUARE INCH) AND 25 SECONDS FOR THE KNEE MEASURED AT 8 PSI.

OUTER SHELL MATERIALS:

+/- 7.25 OZ/SQ. YD 40% PBI/60% KEVLAR
HIGHLY CONSTRUCTED RIPSTOP WEAVE WITH
EXTREMELY DURABLE FPE WATER RESISTANT
TEFLON. FPE ALLOY REINFORCED WITH A
MATRIX OF 600 DENIER FILAMENT KEVLAR
CABLES. COLOR SHALL BE NATURAL (GOLD).
THE USE OF 600 DENIER FILAMENT KEVLAR
CABLES INCREASES THE WEAR LIFE OF THE
FABRIC FROM UV AND THERMAL EXPOSURE WHICH WEAKENS THE
FABRIC OVER TIME.

MOISTURE BARRIER MATERIAL:

NOMEX SUBSTRATE LAMINATED TO A LIGHT-
WEIGHT BREATHABLE. CROSSTECH (TYPE 2C)
TEFLON MEMBRANE WEIGHING 5.0 OZ/SQ.YD.

THERMAL LINER MATERIAL:

3.5OZ/SQ.YD. GLIDE
(NOMEX FILAMENT/SPUN)
FACE CLOTH QUILTED TO 1 LAYER OF
APERTURED (11-13 APERTURES/SQ.INCH)
E-89 SPUNLACE ARAMID 85% NOMEX 15% KEVLAR WEIGHING
APPROXIMATELY 1.5OZ/SQYD
WITH A TEFLON FINISH. AN ADDITIONAL
LAYER OF 3.0+OZ/SQYD NOMEX CHAMBRAY
FACE CLOTH WITH A TEFLON FINISH WILL BE
POSITIONED TOWARD THE OUTER SHELL.
(TOTAL WEIGHT +/- 8.0 OZ/SQYD.
THIS DESIGN PLACES THE MOISTURE BARRIER
ONE LAYER FURTHER IN BY PLACING THE
NOMEX CHAMBRAY FACE CLOTH NEXT TO THE
OUTER SHELL, CROSSTECH MOISTURE BARRIER
AND THEN THE GLIDE. THE CHAMBRAY
PROTECTS THE MOISTURE BARRIER FROM THE THERMAL DAMAGE AND
WEAR ABRASION.
THE GLIDE IS ENHANCED WITH TEFLON TO
REDUCE WATER ABSORPTION TO PROMOTE
QUICKER DRYING AND BETTER THERMAL
PROTECTION AS AIR IS STILL IN THE SYSTEM

FOR THERMAL PROTECTION.

STRESS POINTS:

ALL OUTER SHELL STRESS POINTS, INCLUDING TOP AND BOTTOM POCKET CORNERS, POCKET FLAP CORNERS, TOP AND BOTTOM OF STORM FLAP/FLY SHALL BE REINFORCED USING A 42 STITCH MINIMUM BAR TACK.

REFLECTIVE TRIM:

ALL TRIM SHALL BE SEWN WITH FOUR ROWS LOCKSTITCH 301, MINIMUM SIX STITCHES/ INCH FOR THE MOST SECURE TRIM ATTACHMENT ALL TRIM SHALL BE 3" VENTILATED (SCOTCHLITE II, TRIPLE TRIM) OF RED/ ORANGE. COAT TRIM SHALL BE APPLIED AS FOLLOWS: NEW YORK PATTERN: ONE 3" STRIP SHALL BE SET FULL CIRCUMFERENCE AT THE BOTTOM SWEEP OF THE OUTER SHELL; ONE 3" STRIP SHALL BE SET AROUND EACH SLEEVE WITHIN 2" ABOVE THE CUFF; ONE 3" STRIP SHALL BE SET AROUND EACH SLEEVE JUST ABOVE THE ELBOW; ONE 3" STRIP SHALL BE SET FULL CIRCUMFERENCE AT THE CHEST. THE VENTED TRIM REDUCES TRIM WRIST BURNS BY ALLOWING THE HEAT THAT BUILDS UP UNDER THE WRIST TRIM TO ESCAPE.

PANT TRIM SHALL BE AS FOLLOWS: ONE 3" STRIP SET FULL CIRCUMFERENCE AROUND THE BOTTOM OF THE CUFF 2"/3" FROM THE BOTTOM CUFF. NOT USING THE VENTED TRIM AS THE PANT CUFFS ARE USUALLY LOWER HEAT AND THE BOOTS PROTECT THE ANKLES.

LETTERING:

3" LETTER OF RED/ORANGE SCOTCHLITE SHALL BE SEWN ON THE SHOULDER YOKE SPELLING JPDF.

SIZES:

COATS SHALL BE MADE AVAILABLE IN EVEN CHEST SIZES WITH CORRESPONDING SLEEVE LENGTHS AVAILABLE IN SHORT, REGULAR, AND LONG. PANT SIZES SHALL BE MADE AVAILABLE IN EVEN WAIST SIZES WITH INSEAM LENGTHS AVAILABLE IN EXTRA SHORT, SHORT, REGULAR AND LONG. MALE AND FEMALE SIZING AVAILABLE.

LABELING:

EACH GARMENT SHALL HAVE A GARMENT LABEL PERMANENTLY AND CONSPICUOUSLY ATTACHED STATING AT LEAST THE FOLLOWING LANGUAGE AS WELL AS WARNING INSTRUCTIONS PROVIDED BY THE MANUFACTURER.
"DO NOT REMOVE THIS LABEL"
THIS STRUCTURAL FIREFIGHTING PROTECTIVE GARMENT MEETS THE GARMENT REQUIREMENTS OF NFPA 1971, 2007 EDITION.
MADE IN THE USA

TRACKING LABEL SYSTEM:

THERE SHALL BE A PDF417 TWO DIMENSIONAL BAR CODE LABEL PERMANENTLY AFFIXED TO EACH GARMENT FOR TRACKING PURPOSES. THE BAR CODE SHALL CONTAIN A MINIMUM OF THE FOLLOWING INFORMATION:
A UNIQUE SERIAL NUMBER
B ITEM DESCRIPTION (BRAND, MODEL, MATERIAL, COLOR)
C LOT INFORMATION (DATE OF MFG, SIZE, ETC)
D MATERIAL DESCRIPTION
E THE STANDARD TO WHICH THE GARMENT IS COMPLIANT
THE BAR CODE SHALL BE ABLE TO WITHSTAND CUSTOMARY WASH AND WEAR CYCLES.
THE PDF417 BAR CODE MUST INCORPORATE A MINIMUM OF A 30% ERROR CORRECTION CAPABILITY.

USER INFORMATION GUIDE:

EACH GARMENT SHALL INCLUDE A USER

INFORMATION GUIDE REQUIRED BY NFPA 1971

THIS GUIDE SHALL INCLUDE:

(A) PRE-USE INFORMATION

*SAFETY CONSIDERATIONS

*LIMITATIONS OF USE

*GARMENT MARKING RECOMMENDATIONS AND
RESTRICTIONS *A STATEMENT THAT MOST PERFORMANCE
PROPERTIES OF THE GARMENT CANNOT BE
TESTED BY THE USER IN THE FIELD

*WARRANTY INFORMATION

(B) PREPARATION FOR USE

*SIZING/ADJUSTMENT

*RECOMMENDED STORAGE PRACTICES

(C) INSPECTION

*INSPECTION FREQUENCY AND DETAILS

(D) DON/DOFF *DONNING AND DOFFING PROCEDURES

*SIZING AND ADJUSTMENT PROCEDURES

*INTERFACE ISSUES

(E)USE:

*PROPER USE CONSISTENT WITH NFPA 1500
STANDARD ON FIRE DEPARTMENT,
OCCUPATIONAL SAFETY, AND HEALTH PROGRAM
AND 29 CFR 1910 132

(F) MAINTENANCE AND CLEANING

*CLEANING INSTRUCTIONS AND PRECAUTIONS WITH A STATEMENT
ADVISING USERS NOT TO

USE GARMENT THAT ARE NOT THOROUGHLY
CLEANED AND DRIED.

*INSPECTION DETAILS

*MAINTENANCE CRITERIA AND METHODS OF
REPAIR WHERE APPLICABLE

*DECONTAMINATION PROCEDURES FOR BOTH
CHEMICAL AND BIOLOGICAL CONTAMINATION.

(G) RETIREMENT AND DISPOSAL

*RETIREMENT AND DISPOSAL CRITERIA AND
CONSIDERATIONS

(H) DRAG RESCUE DEVICE(DRD)

*USE, INSPECTION, MAINTENANCE, CLEANING,
AND RETIREMENT OF THE DRD.

Bid 50-97020/Solicitation
Page 19

WARRANTY:

EACH GARMENT SHALL HAVE A LIMITED LIFETIME WARRANTY AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP WHICH IS DETAILED ON A CARD ATTACHED TO EACH GARMENT.

COAT CONSTRUCTION: THE COAT SHALL BE DESIGNED OF A 3-PANEL CONSTRUCTION IN ALL LAYERS TO PROVIDE A PROPER FIT. WHEN MEASURED AT THE CENTER OF THE BACK FROM THE COLLAR SEAM TO THE HEM BOTTOM, THE COAT SHALL MEASURE 32" OR 35" LENGTH. SLEEVES SHALL BE OF FULL LENGTH AND OF SHOULDER INSERT, 2-PANEL TYPE DESIGN. (FEMALE SIZES 29"OR 32" IN LENGTH)

MOISTURE BARRIER/THERMAL LINER CONSTRUCTION: DESIGN SHALL BE COMPATIBLE WITH THE OUTER SHELL SO THAT THE LINER DOES NOT BUCKLE,PULL OR OTHERWISE RESTRICT BODY MOTION. THE LEFT AND RIGHT FRONTS OF THE MOISTURE BARRIER/THERMAL LINER SHALL BE ATTACHED TO THE FACINGS AT THE FRONT CLOSURE OF THE OUTER SHELL. THE NECK OF THE MOISTURE BARRIER/THERMAL LINER SHALL BE SECURED TO THE NECK OF THE OUTER SHELL COLLAR SUCH THAT WHEN DONNING THE COAT AN ARM MAY NOT BE ACCIDENTALLY CAUGHT BETWEEN THE OUTER SHELL AND ITS INNER LININGS ALONG THE NECK BETWEEN THE ARMHOLES. LINER SHALL HAVE A 2" WIDE, 2-PLY CROSSTECH NOMEX PAJAMA CHECK EXTENSION SEWN THE FULL LENGTH OF THE NECK. FR LOOP, 3/4" WIDE SHALL BE SEWN ON EXTENSION TO TUCK INTO PLEAT IN OUTER SHELL COLLAR. THE LINER SHALL HAVE ONE 8.5" X 8.5" INTERNAL POCKET WHICH SHALL BE MADE OF BLACK OUTER SHELL MATERIAL. THE LINER POCKET SHALL BE LOCATED ON THE LEFT SIDE OF COAT LINER. QUILT CENTER CUT THERMAL LINER

CONSTRUCTION:

THE MOISTURE BARRIER SHALL BE COMPLETELY SEWN TO A TEFLON TREATED NOMEX FACECLOTH AT ITS PERIMETER. THE MOISTURE BARRIER WILL BE COMPLETELY SEPARABLE FROM THE THERMAL LINER AT ITS PERIMETER BY MEANS OF HOOK AND LOOP, ZIPPERS AND SNAPS. THERE SHALL BE A BRASS ZIPPER DOWN EACH FRONT FACING, HOOK AND LOOP SHALL ALSO BE LOCATED AROUND THE ENTIRE OUTER PERIMETER OF THE LINER. IN ADDITION, THERE WILL BE SNAPS FOR ALIGNMENT ALONG THE BOTTOM OF THE LINER AND ONE SNAP AT EACH SLEEVE END. THIS ALLOWS FOR TOTAL INSPECTION OF THE MOISTURE BARRIER AND THE REPLACEMENT OF ONLY ONE COMPONENT AS NEEDED WITHOUT THE EXPENSE OF HAVING TO REPLACE THE ENTIRE LINER SYSTEM. ALL MOISTURE BARRIER SEAMS SHALL BE SEALED AS REQUIRED BY NFPA 1971. THE MOISTURE BARRIER/THERMAL LINER SHALL FINISH NO MORE THAN 1" FROM THE CUFFS AND 3" FROM THE HEM. THE QUILTED THERMAL LINER WILL BE ORIENTED TOWARD THE WEARER

MOISTURE BARRIER/THERMAL LINER

ATTACHMENT:

THE MOISTURE BARRIER/THERMAL LINER SHALL BE COMPLETELY DETACHABLE FROM THE OUTER SHELL FOR EASE OF CLEANING, BY THE USE OF HOOK AND LOOP, ZIPPERS AND SNAPS. THERE SHALL BE A BRASS ZIPPER DOWN EACH FRONT FACING, HOOK AND LOOP ALONG THE NECK TO INTERFACE WITH COLLAR AS WELL AS HOOK AND LOOP AND ONE SNAP AT EACH SLEEVE END.

COLLAR:

THE COLLAR SHALL BE OF THREE PIECE CONTOURED 4-LAYER CONFIGURATION SUCH THAT WHEN THE COLLAR IS RAISED IT SHALL REMAIN STANDING WHILE PROVIDING CONTINUOUS THERMAL AND MOISTURE

PROTECTION AROUND THE NECK AND FACE.
TO ENSURE THIS PROTECTION THE TWO LAYERS
OF OUTER SHELL COLLAR SHALL BE FULLY LINED WITH ONE LAYER
OF GORE RT7100

PTFE MOISTURE BARRIER MATERIAL AND TWO
LAYERS OF 1.5 OZ APERTURED E-89 THERMAL
LINER. THE COLLAR SHALL PROVIDE PROPER
INTERFACE WITH LINER TO INSURE NO
MOISTURE PENETRATION THROUGH THE COLLAR
SEAM TO INSIDE OF COAT.

THE COLLAR SHALL BE CONTOURED AND SHALL
COMPLETELY COVER THE NECK AND THROAT
AREA WHEN IN THE RAISED POSITION. RAISED
HEIGHT SHALL BE APPROXIMATELY 3 INCHES
WITH A CONTOURED OVERLAP AT THE FRONT OF THE COAT. COLLAR
CLOSURE SHALL BE

PROVIDED BY FR HOOK AND LOOP 1.5" X 4"
WITH HOOK PORTION SEWN ON RIGHT SIDE OF
COLLAR, AND LOOP PORTION SEWN ON LEFT
SET HORIZONTAL. COLLAR SHALL BE OF SUCH
DESIGN SO AS NOT TO INTERFERE WITH THE
SCBA FACE MASKS NOR HELMET.

WHEN EXAMINED PRIOR TO DONNING, THE
TURNED UP COLLAR SHALL COMPLETELY WRAP
AROUND THE FRONT OF THE NECK OPENING
SUCH THAT LEFT AND RIGHT COLLARS TOUCH
OR OVERLAP TO MAXIMIZE FACIAL PROTECTION THE THREE PIECE
CONTOURED 4-LAYER COLLAR

SHALL BE SEWN WITH A PLEAT ON THE INNER-
MOST LAYER. PLEAT SHALL HAVE 3/4" FR
HOOK SEWN ON THE UNDERSIDE TO ENGAGE
THE MOISTURE BARRIER EXTENSION ON THE
LINER.

HANGAR LOOP:

AN EXTERNAL HANGAR LOOP CONSTRUCTED OF
A DOUBLE LAYER OF OUTER SHELL MATERIAL
AND REINFORCED WITH TWO 42 STITCH
BARTACKS SHALL BE PROVIDED ON THE
OUTSIDE OF THE COAT AT THE COLLAR SEAM. IT SHALL BE DESIGNED
TO PROVIDE LONG

SERVICE AND SHALL NOT TEAR OR SEPARATE
FROM THE COAT WHEN THE COAT IS HUNG BY
THE HANGAR LOOP, LOADED EVENLY WITH A

WEIGHT OF 80LBS AND ALLOWED TO HANG FOR ONE MINUTE.

DRAG RESCUE DEVICE (DRD):
THE FIRE FIGHTER RECOVER HARNESS SHALL BE CONSTRUCTED OF ONE AND A HALF INCH WIDE KEVLAR STRAP THAT SHALL BE INSTALLED BETWEEN THE OUTER SHELL AND THERMAL LINER. THIS HARNESS SHALL HAVE
A HAND LOOP (16" CIRCUMFERENCE) THAT EXITS THE OUTER SHELL THROUGH A 2" POLYMER COATED ARAMID REINFORCED SLOT ON THE BACK OF THE COAT JUST BELOW THE COLLAR AND IS HELD IN PLACE BY MEANS OF A PIECE OF 1.5" X 2" HOOK ON THE STRAP AND A PIECE OF 1" X 2" LOOP ATTACHED TO THE OUTER SHELL. THIS STRAP IS THEN SECURED UNDER A 2" X 5.25" FLAP THAT IS SEWN IN AT THE NECK/COLLAR AREA
TWO PIECES 1" X 2" LOOP SHALL BE SET VERTICALLY ON SHELL TO ALIGN WITH TWO
PIECES OF 1" X 2" HOOK SET VERTICALLY TO THE UNDERSIDE OF THE FLAP. THE HARNESS IS ALSO HELD IN PROPER ALIGNMENT BY MEANS OF A 2" X 2" PIECE OF LOOP PLACED ON THE INSIDE OF THE OUTER SHELL JUST ABOVE THE CHEST TRIM THAT CORRESPONDS TO A PIECE OF 1.5" X 2" HOOK LOCATED ON THE HARNESS. TWO 1" X 3.5" SELF FABRIC STRAPS WITH 1" X 2" HOOK ON ONE END AND 1" X 2" LOOP ON THE OTHER END SHALL BE SET TO COAT IN THE SHOULDER CAP AREA TO KEEP STRAPS IN PROPER POSITION FOR
USE.
FIRE FIGHTER RECOVERY HARNESS PROVIDES MECHANICAL LEVERAGE FOR DRAGGING A DOWNED AND INCAPACITATED STRUCTURAL FIREFIGHTER FROM A LIFE-THREATENING ENVIRONMENT. THE DESIGN OF THE HARNESS ENABLES THE RESCUER TO DRAG THE DOWNED FIREFIGHTER IN LINE WITH THE AXIS OF THE FIREFIGHTERS SKELETAL FRAME, IN ORDER TO DECREASE THE RISK OF FURTHER INJURY.

THERMAL REINFORCED YOKE:

A LAYER OF SEMPER DRI (3.5OZ/SQYD GLIDE NOMEX FILAMENT/SPUN) FACE CLOTH QUILTED TO ONE LAYER E-89 SPUNLACE ARAMID 85% NOMEX 15% KEVLAR WEIGHING APPROXIMATELY 2.3OX/SQYD WITH A TEFLON FINISH AND ONE LAYER OF APERTURED (11-13 APERTURES SQIN) E-89 SPUNLACE ARAMID 85% NOMEX 15% KEVLAR WEIGHING APPROXIMATELY 1.5OZ/SQYD WITH A TEFLON FINISH (TOTAL WEIGHT +/- 7.3 OZ/SQYD) A LAYER OF SEMPER DRI (3.5OZ/SQYD GLIDE NOMEX FILAMENT/SPUN) FACE CLOTH QUILTED TO ONE LAYER E-89 SPUNLACE ARAMID 85% NOMEX 15% KEVLAR WEIGHING APPROXIMATELY 2.3OZ/SQYD WITH A TEFLON FINISH AND ONE LAYER OF APERTURED (11-13 APERTURES/SQINCH) E-89 SPUNLACE ARAMID 85% NOMEX 15% KEVLAR WEIGHING APPROXIMATELY 1.5OZ/SQYD WITH A TEFLON FINISH(TOTAL WEIGHT +/- 7.3 OZ/SQYD) (1377-059) AND TWO LAYERS ARAFLO/E-89 2.3OZ QULITED WITH NO FACE-CLOTH SHALL BE POSITIONED BETWEEN THE MOISTURE BARRIER AND THERMAL LINER FOR EXTRA THERMAL PROTECTION IN A HIGH HEAT AND COMPRESSION AREA OF THE COAT. IT SHALL BE SEWN TO THE INSIDE OF THE UPPER BACK PORTION OF THE THERMAL LINER ACROSS THE UPPER BACK FROM THE BACK SHOULDER AND COLLAR SEAMS 7" DOWN OVER THE TOPS OF THE SHOULDERS AND DOWN THE FRONT APPROXIMATELY 4" AND ACROSS THE BACK ENDING AT THE ARMHOLE. THIS FABRIC WITH TEFLON ON THE FACECLOTH AND THE THERMAL LINER KEEPS THE SHOULDER DRY AND BETTER INSULATION FROM COMPRESSION OF THE SCBA STRAP.

SHOULDER CAPS:

A 6" WIDE AREA AT THE TOP OF THE SHOULDERS EXTENDING 6" FROM THE COLLAR SEAM SHALL BE CAPPED WITH PBI GOLD + MATRIX FOR ABRASION RESISTANCE AND THERMAL PROTECTION.

BELLOWS UNDERARMS:

BELLOWS UNDERARM CONSTRUCTION SHALL BE USED IN ALL LAYERS OF THE COAT/OUTER SHELL/MOISTURE BARRIER/THERMAL LINER ENSURING MAXIMUM UPPER BODY FREEDOM OF

MOVEMENT INCLUDING COMPLETE ARM MOBILITY WHEN REACHING UP AND/OR FORWARD.

BELLOWS CONSTRUCTION SHALL EXTEND TO ALL LINER LAYERS OF THE COAT MAKING IT POSSIBLE FOR THE FIT AND FREEDOM OF MOVEMENT, DERIVED FROM THE OUTER SHELL BELLOWS CONSTRUCTION, TO BE PASSED THROUGH THE INNER LAYERS TO THE WEARERS BODY.

THE OUTER SHELL/MOISTURE BARRIER/THERMAL LINER BELLOWS SHOULDER CONSTRUCTION SHALL CONSIST OF AN UNDERARM AND

SHOULDER BELLOWS OF ELONGATED FOOTBALL SHAPE NOT LESS THAT 8" WIDE BY NOT LESS THAN 15" LONG SEWN INTO EACH OF THE COATS FABRIC LAYERS BY TWO NEEDLE CONSTRUCTION. THE BELLOWS IN EACH LAYER SHALL BEGIN AT A POINT CORRESPONDING TO THE FRONT OF THE ARMPIT, WRAP AROUND UNDER THE ARM AND SHOULDER JOINT AND TERMINATE AT THE REAR TOP OF THE SHOULDER.

FREEDOM ELBOW:

THE SLEEVE SHALL HAVE AN INSERT THROUGHOUT ALL LAYERS THAT SHALL PROVIDE A NATURAL BEND IN THE SLEEVE. THIS INSERT SHALL BE SET IN THE BACK FO EACH SLEEVE AND SHALL BE A SHORTENED FOOTBALL SHAPE 6" WIDE IN THE MIDDLE AND 3" WIDE AT THE SEAMS. THE OUTER SHELL INSERT SHALL CONSIST OF PBI GOLD+MATRIX FOR ABRASION RESISTANCE AND THERMAL PROTECTION.

ELBOW PADDING:

IN ADDITION TO REINFORCEMENT, ELBOWS SHALL BE PADDED USING ARAFIL.

THE REINFORCEMENT MATERIAL SHALL BE ORIENTED BETWEEN THE OUTER SHELL AND ELBOW INSERT REINFORCEMENT.

SLEEVE WELL/WRISTLET MOUNTING:
A COMBINATION OF SEMPER DRI (3.5 OZ/SQYD GLIDE NOMEX FILAMENT SPUN) FACE CLOTH QUILTED TO ONE LAYER E-89 SPUNLACE APPROXIMATELY 2.3OZ/SQYD WITH A TEFLON FINISH. AND 1 LAYER OF APERTURED (11-13 APERTURES/SQ INCH) E-89 SPUNLACE ARAMID 85% NOMEX 15% KEVLAR WEIGHING APPROXIMATELY 1.5 OZ/SQYD WITH A TEFLON FINISH. (TOTAL WEIGHT +/-7.3OZ/SQYD) (1377-059) BREATHABLE CROSSTECH (TYPE2C) MOISTURE BARRIER LEADER SHALL BE SEWN NO MORE THAN 1" BACK FROM THE COMBINATION LINER SLEEVE END TO FORM A SLEEVE WELL. A 1.5" WIDE STRIP OF FR LOOP FASTENER SHALL BE SEWN FULL ARAMID 85% NOMEX 15% KEVLAR WEIGHING CIRCUMFERENCE TO THE END OF THE THERMAL LINER/CROSSTECH (TYPE 2C) MOISTURE BARRIER LEADER TO HELP SECURE THE COMBINATION LINER TO THE OUTER SHELL. IN ADDITION THERE SHALL BE ONE MALE SNAP AND ONE FEMALE SNAP LOCATED ON THE END OF THE THERMAL LINER AND ONE MALE SNAP ATTACHED TO THE CROSSTECH (TYPE 2C) MOISTURE BARRIER LEADER TO HELP SECURE THE COMBINATION LINER TO THE OUTER SHELL THIS SLEEVE WELL SHALL PREVENT WATER AND HAZARDOUS MATERIALS FROM ENTERING THE SLEEVE WHEN ARMS ARE IN A RAISED POSITION. THE USE OF SEMPER DRI IN THE WATER WELLS PREVENTS THE ABSORPTION OF WATER WHEN THE WRIST IS RAISED SO WHEN THE WRIST IS LOWERED THE WATER WILL RUN OUT. THE COMBINATION LINER SLEEVE ENDS SHALL BE INSERTED INTO THE OUTER SHELL SLEEVE END BY MEANS OF LINING UP THE MALE SNAP ON THE THERMAL BARRIER AND THE FEMALE

SNAP ON THE OUTER SHELL THEN ATTACHING THE FR LOOP FASTENER OF THE COMBINATION LINER SLEEVE END WITH THE FR HOOK

FASTENER OF THE OUTER SHELL CUFF. THIS METHOD OF COMBINATION LINER ATTACHMENT SHALL PREVENT ANY GAPS FROM OCCURRING BETWEEN THE COMBINATION LINER AND SLEEVE WELL DURING A FULL RANGE OF MOTION. THE COMBINATION LINER SHELL SHALL EXTEND TO WITHIN 1" OF THE SLEEVE END.

WRISTLETS:

AN INTERNAL WRISTLET SHALL CONSIST OF A 2-PLY KNIT OF 48% NOMEX 48% KEVLAR AND 4% SPANDEX FOR SUPERIOR RECOVERY. WRISTLET TO BE COMBINATION OF NATURAL

AND BRONZE PIGMENT DYED BY DUPONT AND WITH EXTREMELY DURABLE TEFLON WATER RESISTANT ALLOY NOT LESS THAN 8" EXTENDING COMPLETELY OVER THE PALM WITH A THUMBHOLE PREVENTING THE WRISTLET FROM SLIDING BACK. WRISTLETS SHALL BE DOUBLE STITCHED AND BOUND TO THE MOISTURE BARRIER/THERMAL LINER PROVIDING EXTENDED THERMAL AND SLASH PROTECTION. THIS WRISTLET HAS TEFLON SO THE HAND STAY DRIER INSIDE THE GLOVE.

CUFFS:

THE CUFF OF THE SLEEVE SHALL BE REINFORCED WITH A BINDING OF PBI GOLD+ MATRIX NOT LESS THAN 3" IN TOTAL WIDTH FOR ABRASION RESISTANCE AND THERMAL PROTECTION. AT LEAST 2" OF THE CUFF REINFORCEMENT SHALL EXTEND DOWN THE INTERIOR OF THE OUTER SHELL SLEEVE WITH A .75" WIDE STRIP OF FR HOOK SEWN FULL CIRCUMFERENCE TO THE TOPSIDE OF THE CUFF REINFORCEMENT. FOR ADDED SAFETY ONE FEMALE SNAP FASTENER SHALL BE SET IN THE HOOK FASTENER TO ASSIST IN ATTACHING OUTER SHELL TO MOISTURE BARRIER/THERMAL LINER.

THERMAL FRONT PANEL CONSTRUCTION:

THERE SHALL BE CONTINUOUS THERMAL AND

MOISTURE PROTECTION AROUND THE ENTIRE TORSO INCLUDING THE STORM FLAP. TO ENSURE THIS PROTECTION AS WELL AS REDUCE POTENTIAL FOR WICKING MOISTURE TO INSIDE OF LINER, BOTH RIGHT AND LEFT INSIDE FRONT FACINGS OF THE COAT OUTER SHELL

SHALL INCORPORATE OUTER SHELL FABRIC AND GORE RT7100 PTFE MOISTURE BARRIER, EXTENDING FROM COLLAR TO HEM.

COAT FRONT CLOSURE DESIGN:
THE COMPLETE OUTER SHELL COAT FRONT DESIGN SHALL CONSIST OF A FRONT CLOSURE SYSTEM COMPLETELY PROTECTED BY AN OUTSIDE STORM FLAP WHICH SHALL HAVE ITS OWN INDEPENDENT STORM FLAP CLOSURE SYSTEM.

STORM FLAP:
A STORM FLAP MEASURING NOT LESS THAN 5" WIDE NOR LESS THAN 22" IN LENGTH SHALL BE SET ON THE OUTSIDE OF THE RIGHT SIDE OF THE COAT OPENING FOR MAXIMUM THERMAL PROTECTION AND CLEAR DRAINAGE. THE INNER LININGS OF THE STORM FLAP SHALL BE GORE RT7100 PTFE MOISTURE BARRIER MEETING ALL REQUIREMENTS FOR MOISTURE BARRIERS SANDWICHED BETWEEN TWO LAYERS OF OUTER SHELL FABRIC.

FRONT/STORM FLAP CLOSURES:
THE FRONT CLOSURE SHALL CONSIST OF FOUR SNAP HOOKS SET WITH 3 LEATHER REINFORCED RIVETS AT THE EXTREME RIGHT SIDE OF THE COAT FRONT UNDERNEATH THE STORM FLAP. OPPOSITE OF EACH SNAP HOOK, A CORRESPONDING LEATHER REINFORCED DEE RING SET TO THE UNDERSIDE OF THE LEADING EDGE OF THE LEFT COAT FRONT WITH TWO RIVETS. THREE GLOVE SNAPS SHALL BE PLACED BETWEEN THE INSIDE HOOK AND DEE RINGS TO ASSURE PROPER CLOSURE. THE

STORM FLAP CLOSURE SHALL CONSIST OF 2" WIDE LOOP ON THE INNER SIDE OF THE STORM FLAP AND 2" WIDE HOOK ATTACHMENT ON THE LEFT COAT FRONT. THE HOOK AND LOOP CLOSURE SHALL EXTEND THE FULL LENGTH OF THE OUTER STORM FLAP ELIMINATING ALL EXPOSED FRONTAL HARDWARE.

RADIO POCKET:

ONE 3.5" WIDE X 7" DEEP FULL BELLOWS RADIO POCKET THAT EXPANDS BY MEANS OF SIDE AND FRONT GUSSETS TO A THICKNESS OF 2" IN FRONT AND BACK SHALL BE LOCATED

ON THE LEFT CHEST. POCKET SHALL BE FULLY LINED AL 3 SIDES INSIDE POCKET AND FLAP WITH POLYCOTTON LINING. POCKET AND FLAP SHALL BE SET WITH STITCH 301 SEAM SSB-2 WITH THE TOP AND BOTTOM POCKET CORNERS AND TOP CORNERS OF FLAP REINFORCED WITH A MINIMUM 42 STITCH BAR TACK. A BRASS EYELET SHALL PROVIDE DRAINAGE OF MOISTURE. POCKET FLAP SHALL BE 4.5" X 5" AND SHALL INCLUDE A NOTCH POSITIONED ON THE LEFT SIDE OF THE FLAP TO ACCOMMODATE AN ANTENNA.

POCKET CLOSURE:

POCKET FLAP SHALL CLOSE TO THE POCKET TOP USING 1 PIECE OF 1" X 2" LOOP ON POCKET HORIZONTALLY AND 1 PIECE OF 1" X 2" HOOK ON FLAP VERTICALLY.

MIC TAB:

THERE SHALL BE A 1" X 3" TRIPLE LAYER SELF FABRIC MIC TAB LOCATED ABOVE THE RADIO POCKET 1" DOWN FROM THE TOP OF THE STORM FLAP. MIC TAB SHALL BE ATTACHED WITH A MINIMUM 42 STITCH BAR TACK ON EACH END.

FULL BELLOWS POCKETS:

THERE SHALL BE TWO 8"WIDE X 8" DEEP OUTSIDE FULL BELLOWS POCKETS THAT EXPAND BY MEANS OF SIDE AND BOTTOM GUSSETS TO A THICKNESS OF 2" IN FRONT AND BACK. ONE SHALL BE LOCATED AT EACH SIDE AT THE HEM LINE. POCKETS SHALL BE FULLY LINED THREE SIDES WITH KEVLAR

TWILL AND 3" UP INSIDE ON SHELL
(COAT FRONT) WHICH FORMS THE BACKSIDE OF THE POCKET AND
REINFORCED WITH SELF
FABRICS 5" UP ON THE OUTSIDE OF THE
POCKET. POCKETS AND FLAPS SHALL BE SET
WITH STITCH 301 SEAM SSB-2 WITH THE TOP
AND BOTTOM POCKET CORNERS AND TOP
CORNERS OF FLAP REINFORCED WITH BAR TACK
FOR ADDITIONAL STRENGTH. DRAINAGE OF
MOISTURE TO BE PROVIDED BY BRASS EYELETS
POCKET FLAPS SHALL BE 9"X 5" FOLDED AND
STITCHED AT 1.5" WIDTH TO CORRESPOND
WITH POCKET GUSSETS. THE FLAP SHALL
EXTEND 3" DOWN TO GIVE A CREASED AND CONTOURED POCKET FLAP.
A HOOK AND LOOP
FASTENER CLOSURE SYSTEM SHALL BE SET
WITH 1.5" X 8" LOOP FASTENER
HORIZONTALLY ON THE POCKET AND 3 PIECES
OF 1.5" X 3" HOOK FASTENER VERTICALLY ON
THE UNDERSIDE OF THE FLAP.